Amendments to the Claims:

Please replace all prior versions, and listings of claims in the application with the following listing of claims.

Listing of claims

Claim 1 (currently amended): A method for providing link adaptation in a wireless communication system, comprising the steps of:

obtaining [[in]] a current link quality measure of a communication link between a transmitting unit and a receiving unit;

determining a Signal-to-Interference Ratio (SIR) value of the communication link by

measuring the SIR value of a pilot channel;

reporting the SIR value to the transmitting unit;

receiving a report from the transmitting unit for each transmitting interval following a first link quality report of a transmission session over the pilot channel; and

determining a discrepancy value for each transmission interval, the discrepancy value being a discrepancy between the reported SIR and a conversion function from transmission parameter to SIR based on the transmission parameter for the transmission interval; and

correcting the current link quality measure based on the determined value by correcting a measured SIR value with the discrepancy value for the transmission interval.

Claim 2 (canceled)

Claim 3 (previously presented): The method according to claim 1, further comprising:

transmitting a link quality report being based on the corrected link quality measure.

Claims 4-6 (canceled)

Claim 7 (currently amended): The method according to claim [[6]] 7, wherein [[the]] a transmission parameter indicator is used as an index to address a look-up table for retrieving a corresponding SIR value.

Claim 8 (currently amended): The method according to claim 7, wherein [[a]] the discrepancy value is determined for the reporting interval, which is based on the difference between the SIR value retrieved from the look-up table and a previous SIR value that was used to form the previous link quality report, and the discrepancy value is added to the current link quality measure to form the corrected link quality measure.

Claim 9 (original): The method according to claim 8, wherein the discrepancy value is a filtered discrepancy value, which is based on a SIR value of each transmission interval of a reporting interval and a previous SIR value that was used to form the previous link quality report.

Claim 10 (currently amended): The method according to claim 7, wherein [[a]] the discrepancy value is determined for the reporting interval, which is based on a SIR estimation of a signal of a transmission interval transmitted over a pilot channel corrected for any power gain factor and the SIR value retrieved from the look-up table, and the discrepancy value is added to the current link quality measure to form the corrected link quality measure.

Claim 11 (original): The method according to claim 10, wherein the power gain factor is estimated by determining the difference between the estimated SIR value of the pilot channel, and an estimated SIR value of a signal transmitted over the data channel.

Claim 12 (previously presented): The method according to claim 8, wherein the discrepancy value is a filtered discrepancy value, which is based on the discrepancy values determined for each transmission interval over a reporting interval.

Claim 13 (original): The method according to claim 12, wherein the filtered discrepancy value is a mean value of the discrepancy values determined for each transmission interval over a reporting interval.

Claim 14 (previously presented): The method according to claim 1, further comprising:

mapping the corrected current link quality measure against transmission parameter indicators stored in a look-up table, wherein the corrected link quality measure is used to address said look-up table;

retrieving a transmission parameter indicator that matches the corrected link quality measure; and

incorporating the retrieved transmission parameter indicator into the link quality report.

Claim 15 (previously presented): The method according to claim 1, comprising:

mapping the corrected link quality measure together with a user data size value against transmission parameter indicators stored in a look-up table, wherein the corrected link quality measure and the user data size value are utilized to address the look-up table;

retrieving the transmission parameter indicator, which matches the corrected link quality measure and the user data size value; and

incorporating the retrieved transmission parameter indicator and the user data size value into the link quality report.

Claim 16 (canceled)

Claim 17 (currently amended): An electronic communication apparatus for supporting link adaptation of a communication link, comprising:

a receiver;

a transmitter unit;

a memory;

a measurement unit for determining a current link quality measure of a communication link;

a controller; and

a correction unit adapted to determine a SIR value of the communication link from a measured SIR value of a pilot channel that is a reported value to the transmitting unit and a report from the transmitting unit for each transmitting interval following a first link quality report of a transmission session over the pilot channel from which a discrepancy value is determined for each transmission interval, the discrepancy value being a discrepancy between the reported SIR and a conversion function from transmission parameter to SIR based on the transmission parameter for the transmission interval, and to correct the current link quality measure based on the determined value with the discrepancy value for the transmission interval.

Claims 18-20 (canceled)

Claim 21 (currently amended): The apparatus according to claim [[20]] 17, wherein the apparatus is adapted to:

use a transmission parameter indicator received over the communication link as an index to address a look-up table stored in the memory for retrieving a corresponding SIR value.

Claim 22 (currently amended): The apparatus according to claim 21, wherein the apparatus is adapted to:

determine [[a]] the discrepancy value for the reporting interval, which is based on the difference between the SIR value retrieved from the look-up table and a previous SIR value that was used to form the previous link quality report; and

add the discrepancy value to the current link quality measure to form the corrected link quality measure.

Claim 23 (original): The apparatus according to claim 22, wherein the apparatus is further adapted to:

filter the discrepancy value based on a SIR value of each transmission interval of a reporting interval and a previous SIR value that was used to form the previous link quality report.

Claim 24 (currently amended): The apparatus according to claim 21, the apparatus is adapted to:

determine [[a]] the discrepancy value for the reporting interval, which is based on a SIR estimation of a transmission interval of a signal transmitted over a pilot channel corrected for any power gain factor and the SIR value retrieved from the look-up table; and

add the discrepancy value to the current link quality measure to form the corrected link quality measure.

Claim 25 (original): The apparatus according to claim 24, wherein the apparatus is adapted to:

estimate the power gain factor by determining the difference between the estimated SIR value of the pilot channel, and an SIR value of a signal transmitted over the data channel.

Claim 26 (previously presented): The apparatus according to claim 24, wherein the apparatus is adapted to;

filter the discrepancy value based on the discrepancy values determined for each transmission interval of a reporting interval.

Claim 27 (previously presented): The apparatus according to claim 17, wherein the apparatus is further adapted to:

map the corrected current link quality measure against transmission parameter indicators stored in a look-up table of the memory, wherein the corrected link quality measure is used to address the look-up table;

retrieve a transmission parameter indicator that matches the corrected link quality measure; and

incorporate the retrieved indicator into the link quality report.

Claim 28 (previously presented): The apparatus according to claim 17, wherein the apparatus is further adapted to:

map the corrected link quality measure together with a user data size value against transmission parameter indicators stored in a look-up table, wherein the corrected link quality measure and the user data size value are utilized to address the look-up table;

retrieve the transmission parameter indicator, which matches the corrected link quality measure and the user data size value; and

incorporate the retrieved transmission parameter indicator and the user data size value into the link quality report.

Claim 29 (previously presented): The apparatus according to claim 17, wherein the apparatus is further adapted to:

incorporate the corrected link quality measure being a SIR value into the link quality report.

Claim 30 (previously presented): The apparatus according to claim 17, wherein the apparatus is a mobile radio terminal, a pager or a communicator.

Claim 31 (previously presented): The apparatus according to claim 17, wherein the apparatus is a mobile telephone.

Claim 32 (currently amended): A computer program product directly loadable into the memory of a mobile terminal having digital computer capabilities, comprising software code portions for performing the following steps when said product is run by said mobile terminal:

obtaining [[in]] a current link quality measure of a communication link between a transmitting unit and a receiving unit;

determining a Signal-to-Interference Ratio (SIR) value of the communication link by

measuring the SIR value of a pilot channel;

reporting the SIR value to the transmitting unit;

receiving a report from the transmitting unit for each transmitting interval following a first link quality report of a transmission session over the pilot channel; and

determining a discrepancy value for each transmission interval, the discrepancy value being a discrepancy between the reported SIR and a conversion function from transmission parameter to SIR based on the transmission parameter for the transmission interval; and

correcting the current link quality measure based on the determined value by correcting a measured SIR value with the discrepancy value for the transmission interval.